

FIG. 1

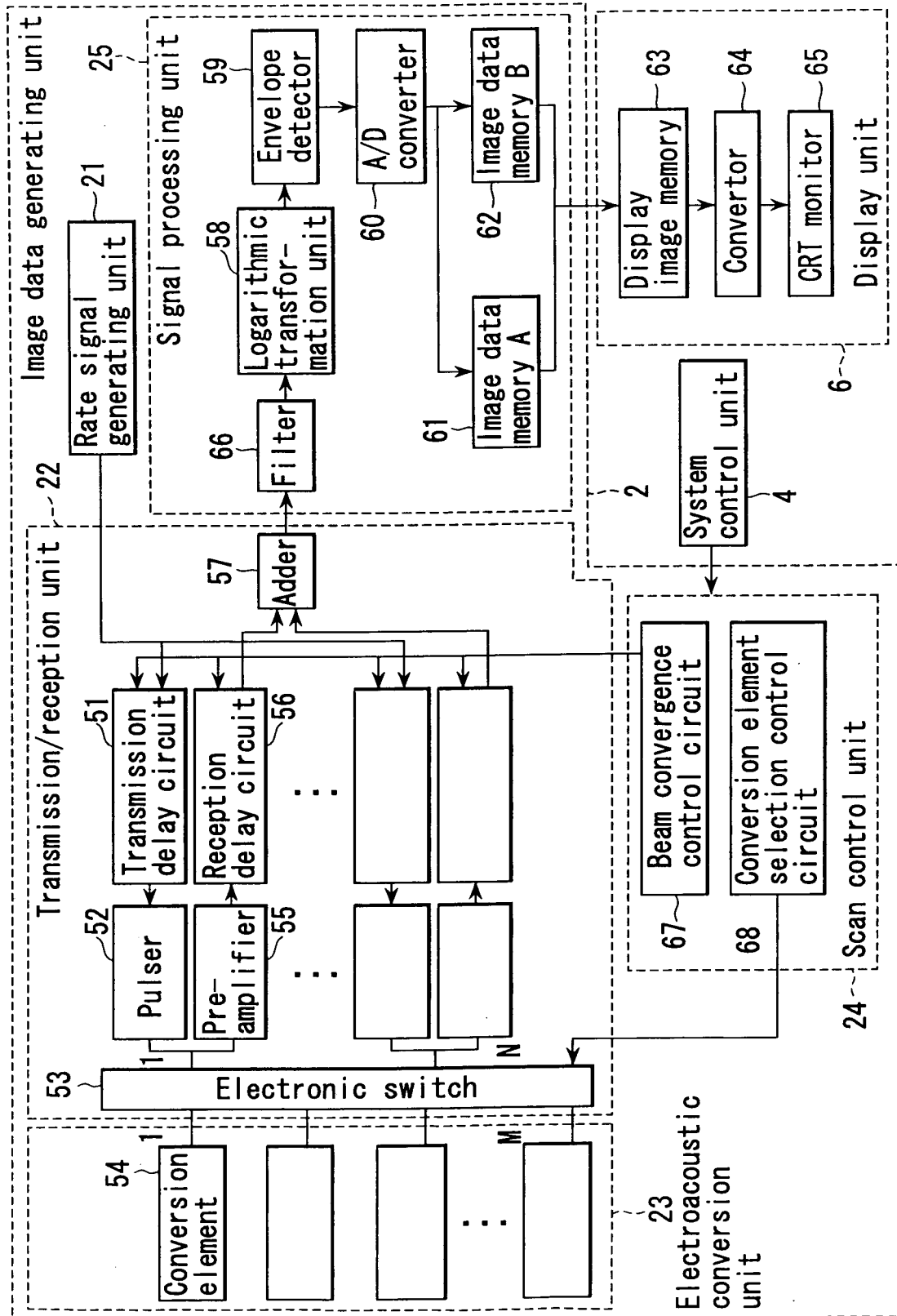


FIG. 2

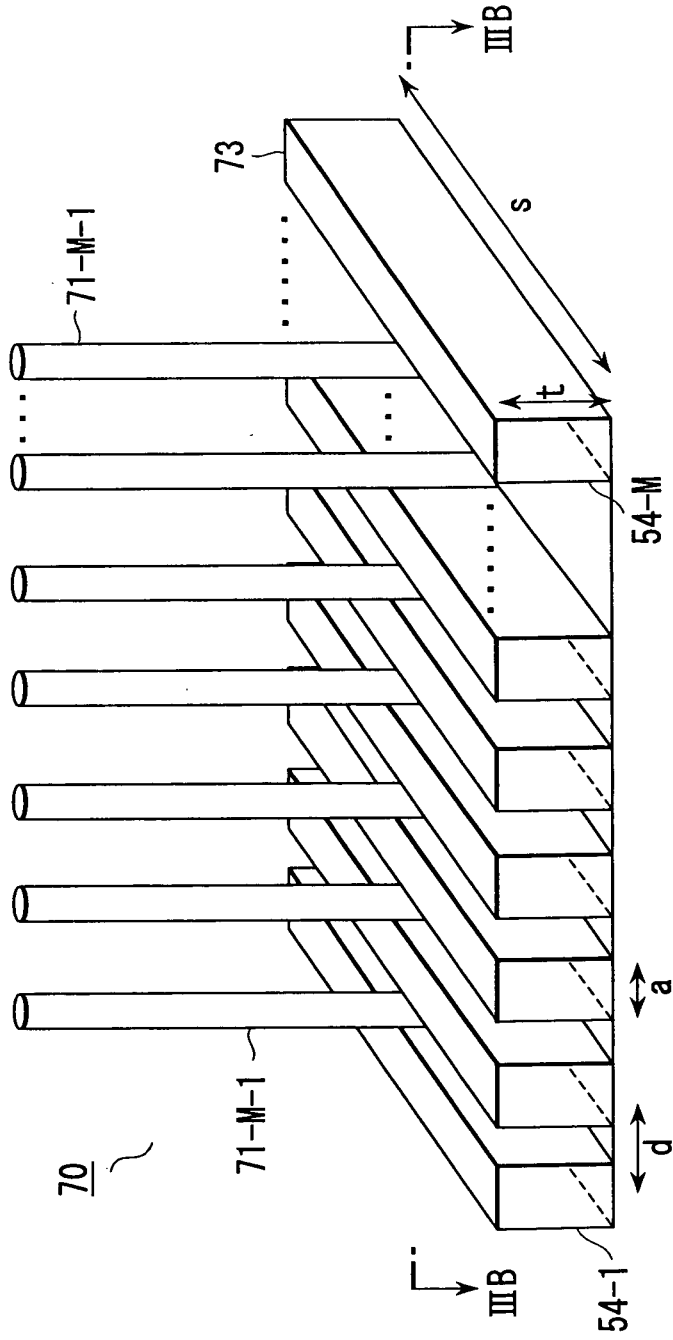


FIG. 3A

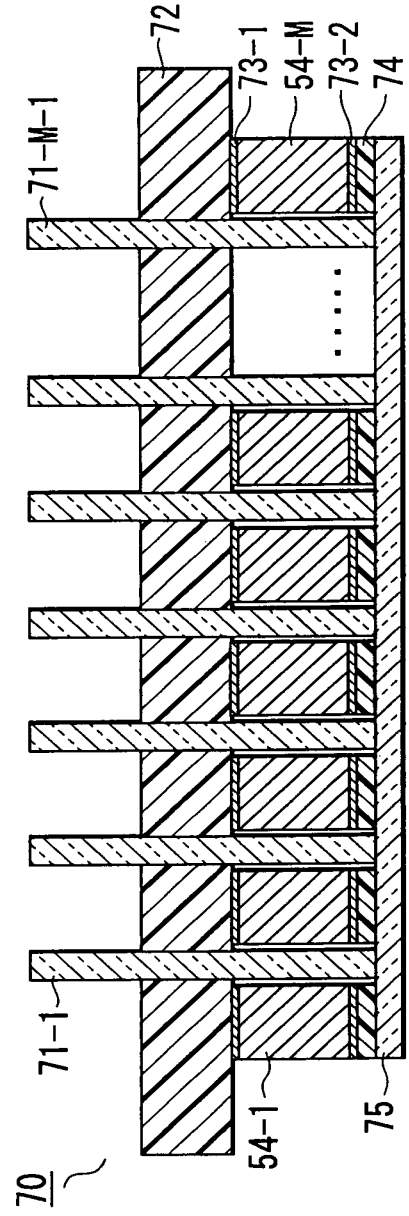
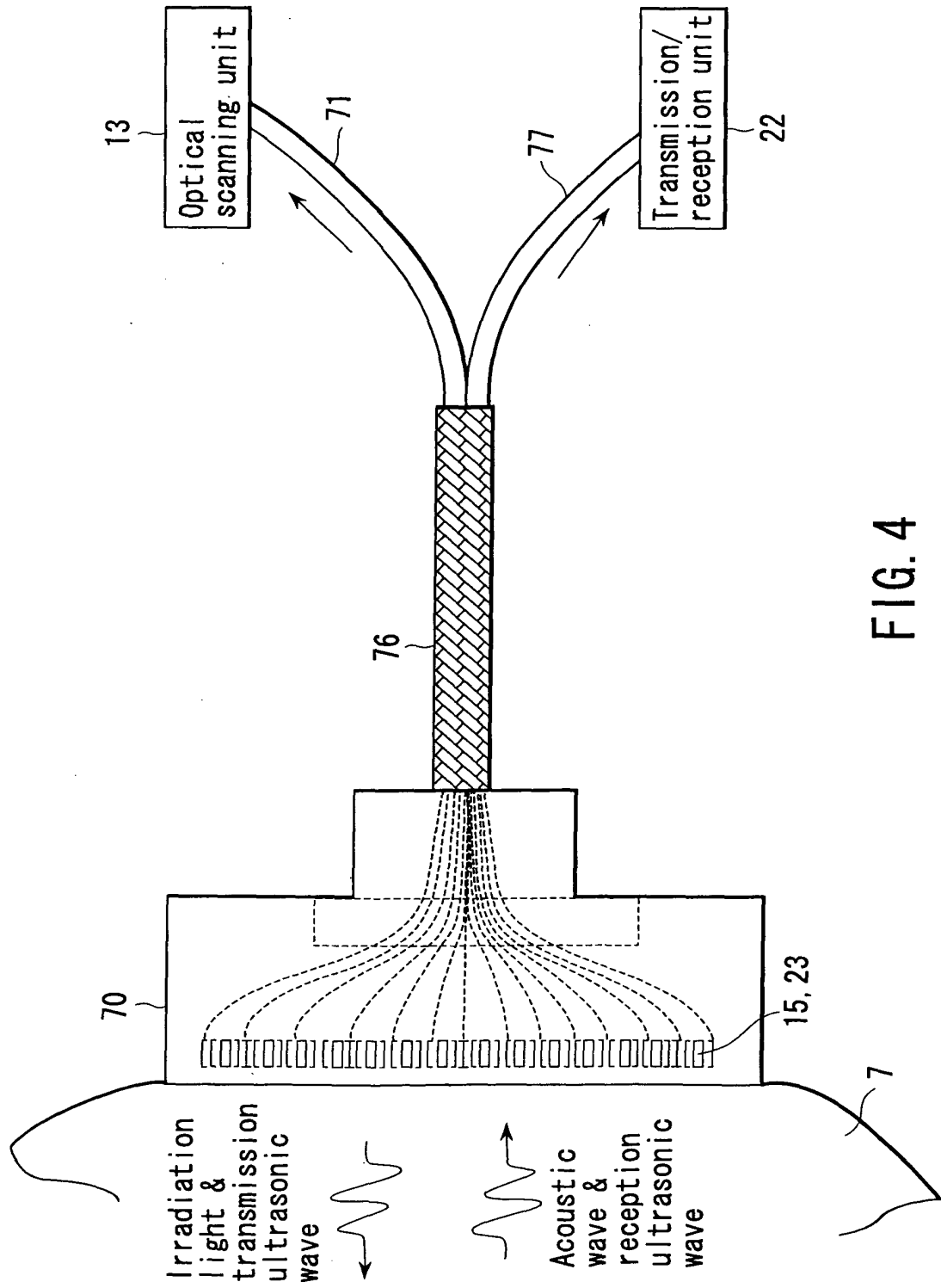


FIG. 3B



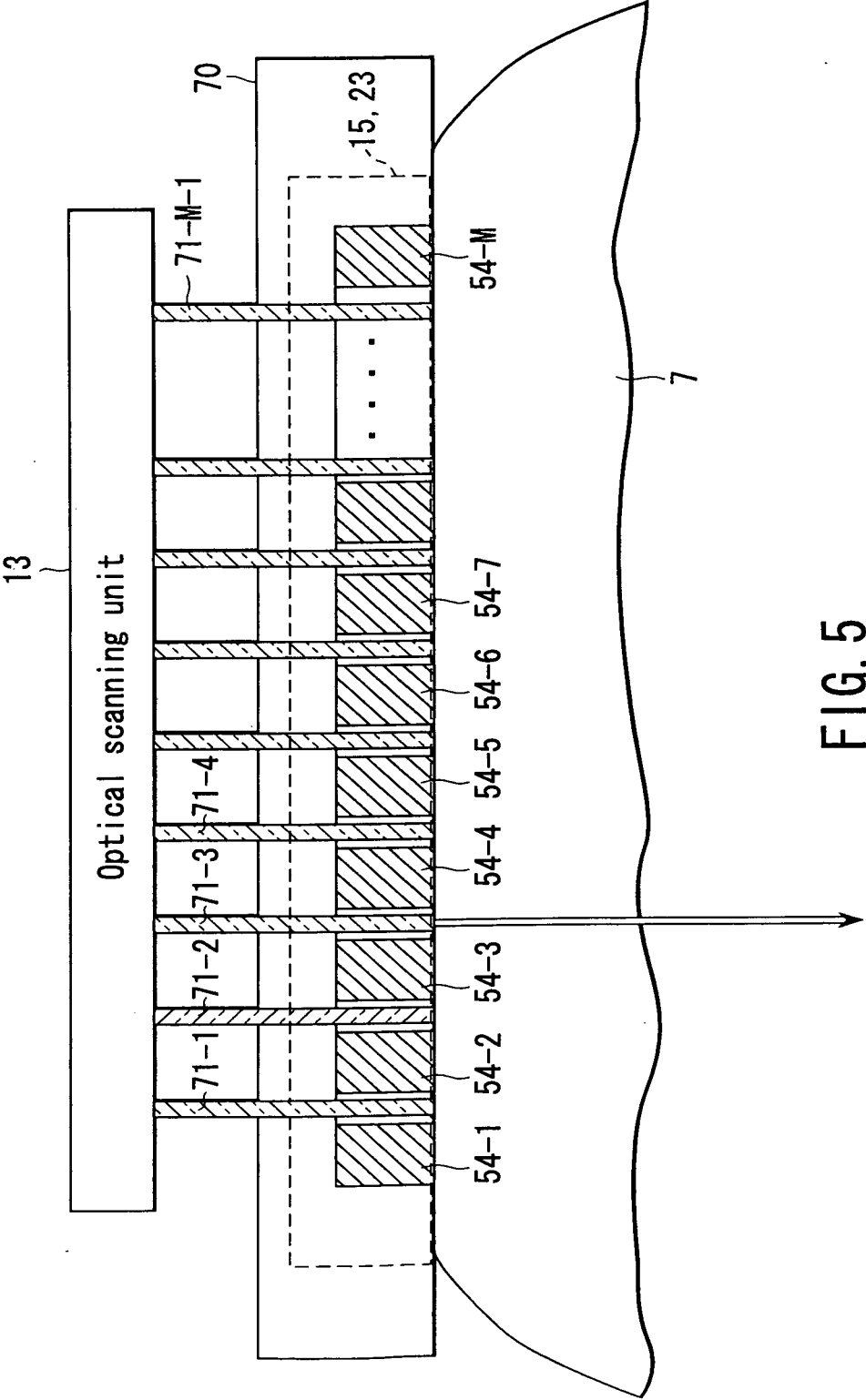


FIG. 5

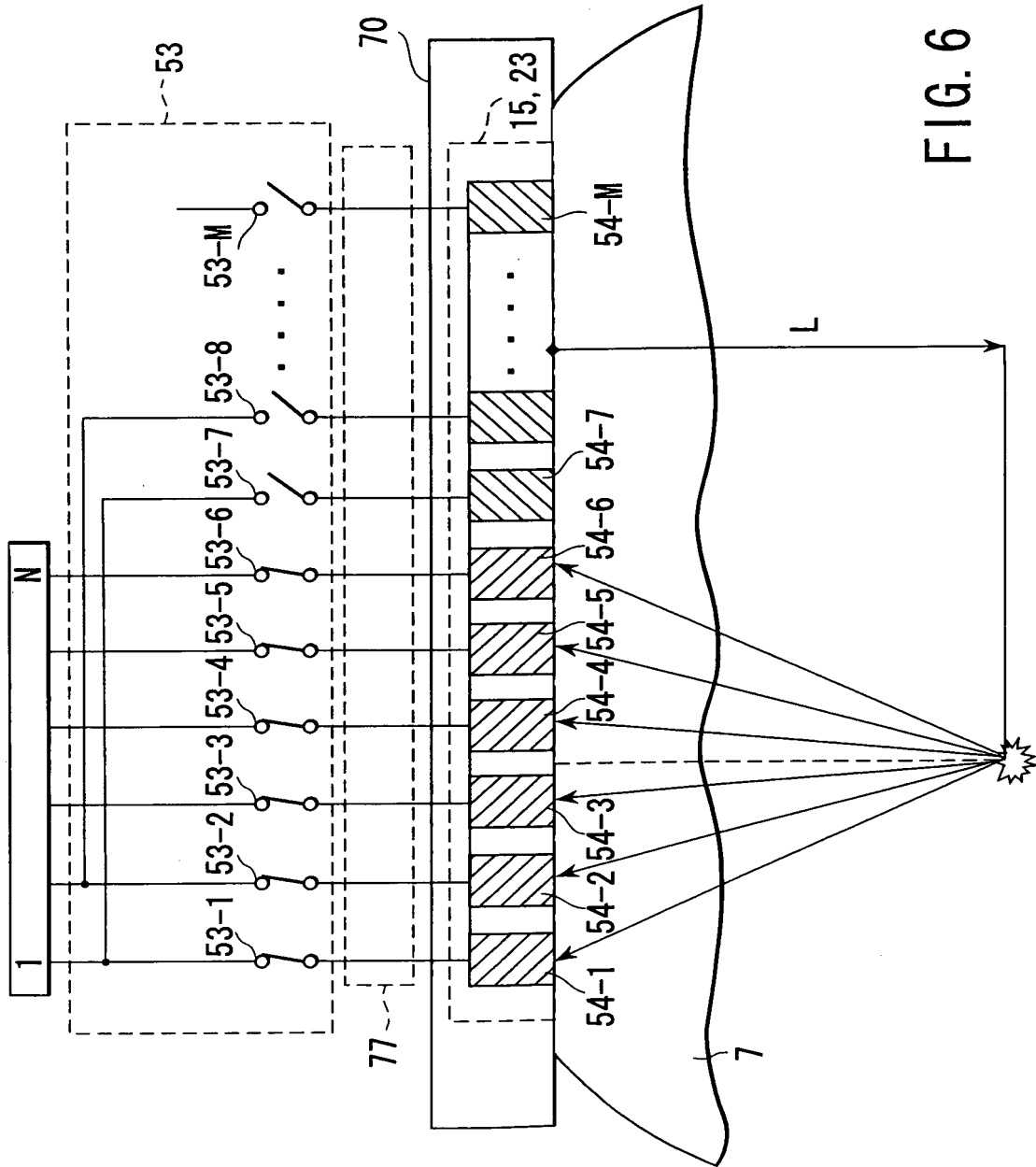


FIG. 6

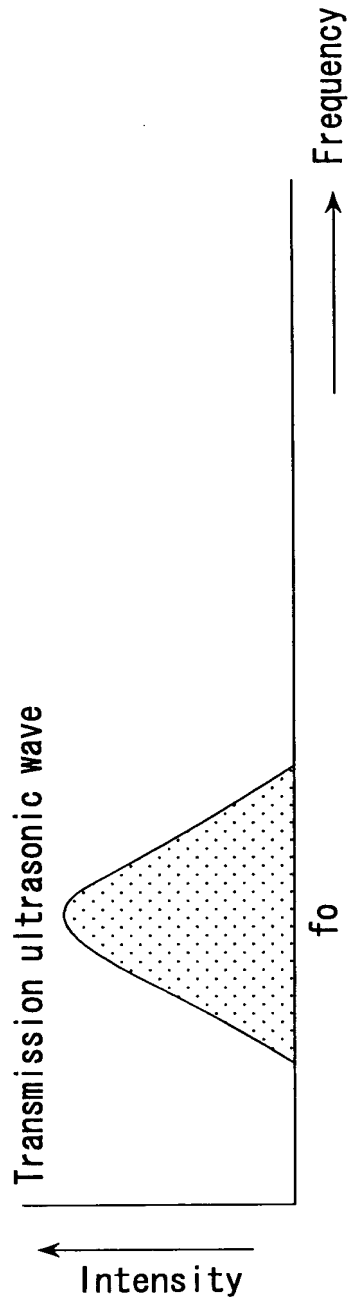


FIG. 7A

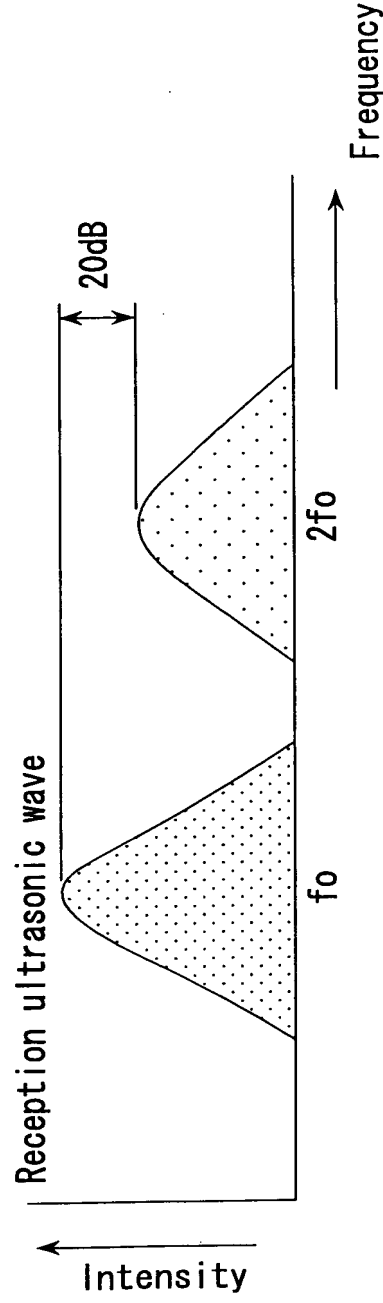


FIG. 7B

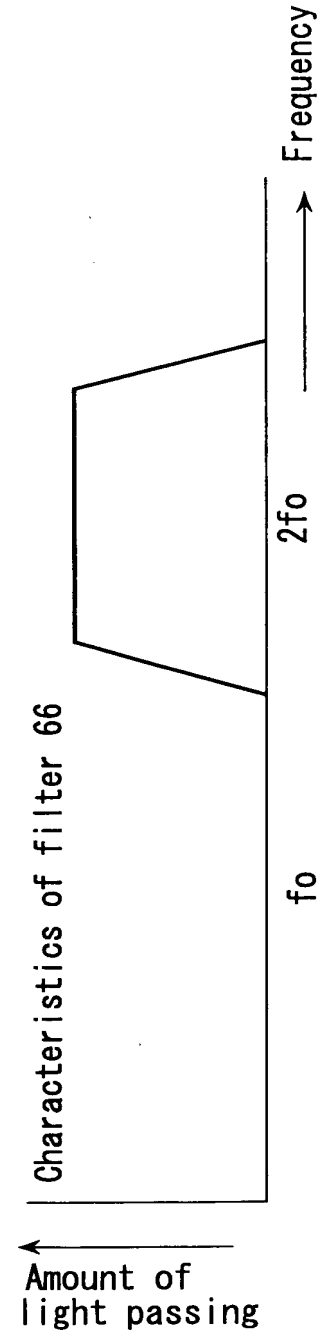


FIG. 7C

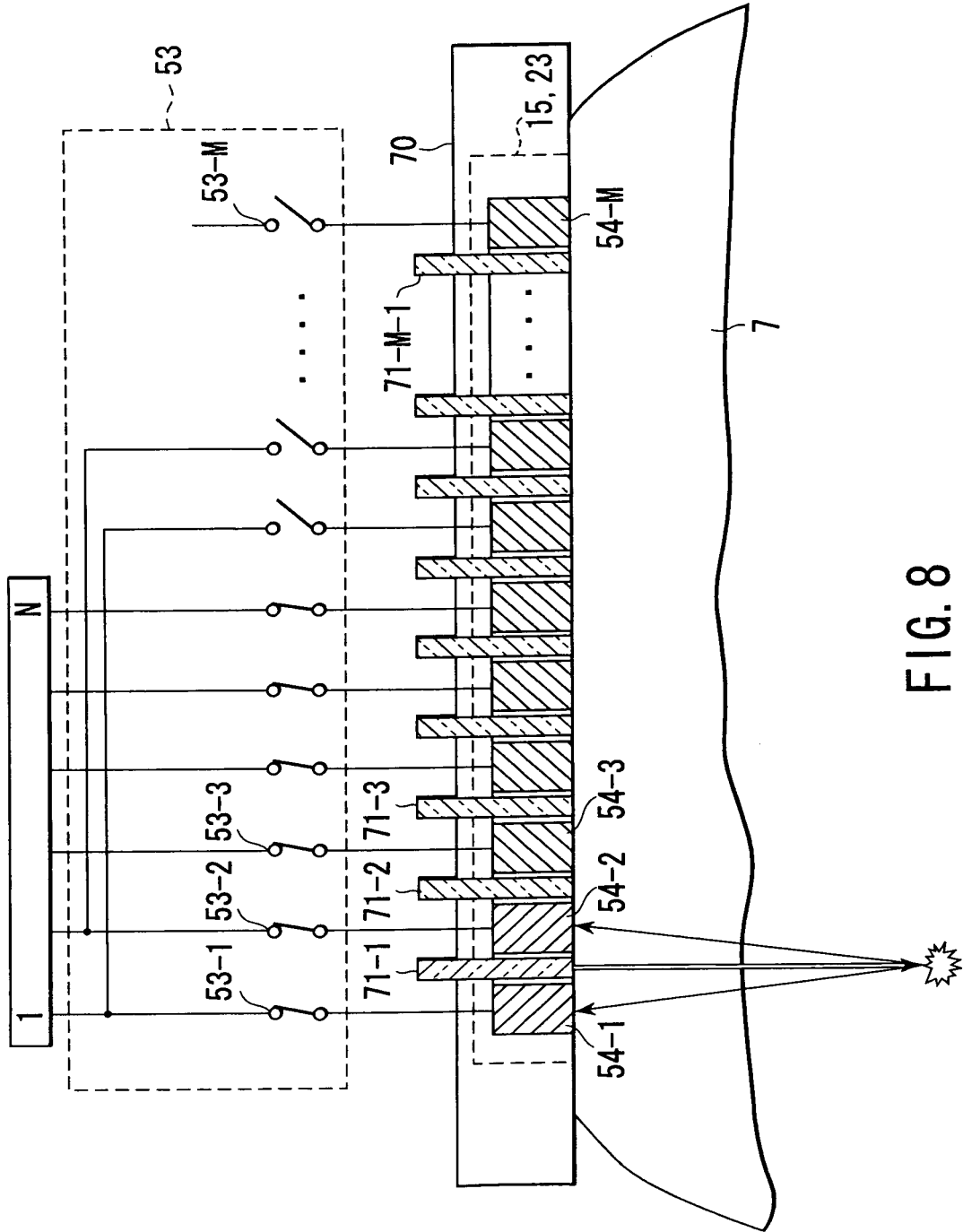


FIG. 8

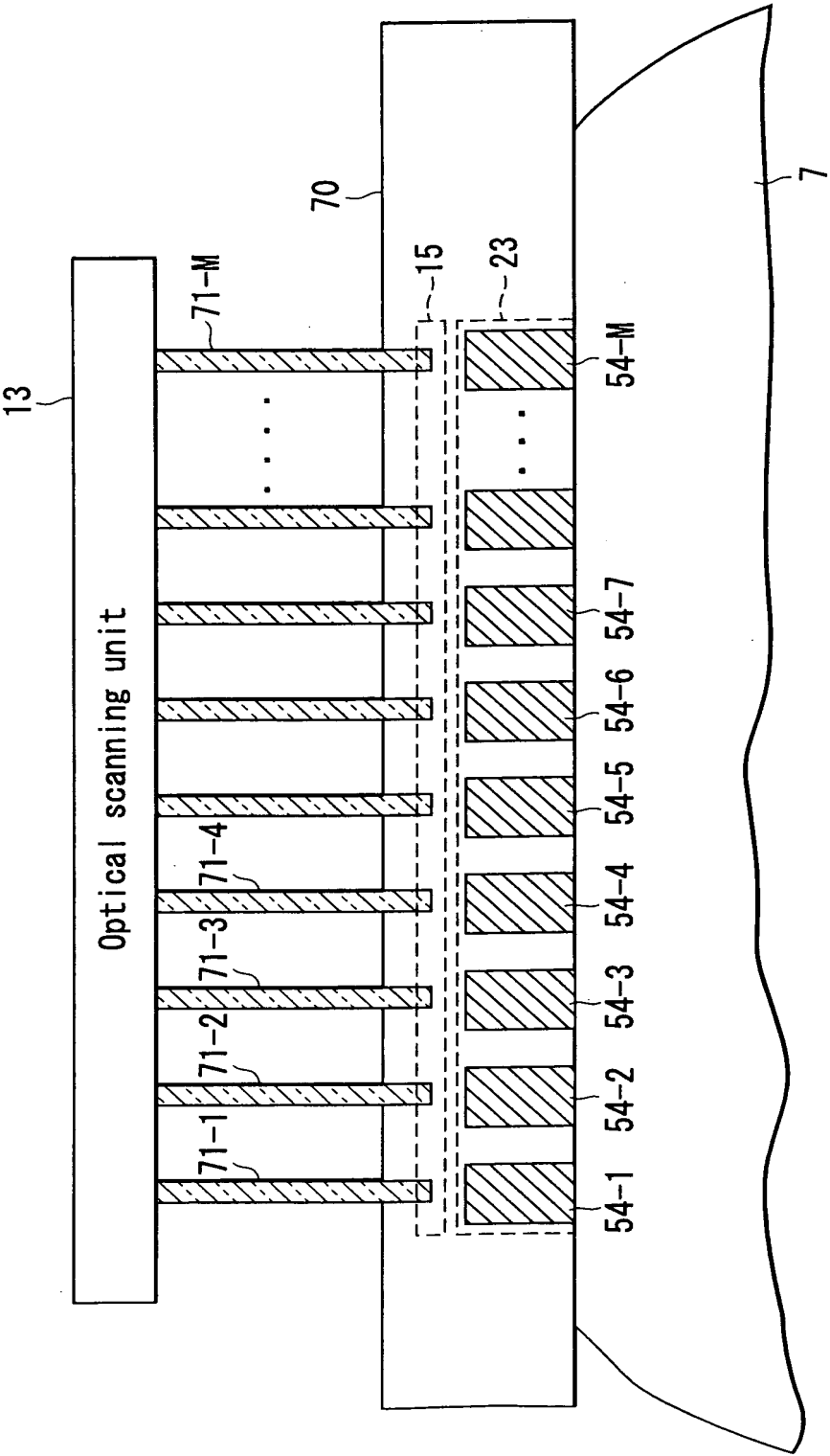


FIG. 9

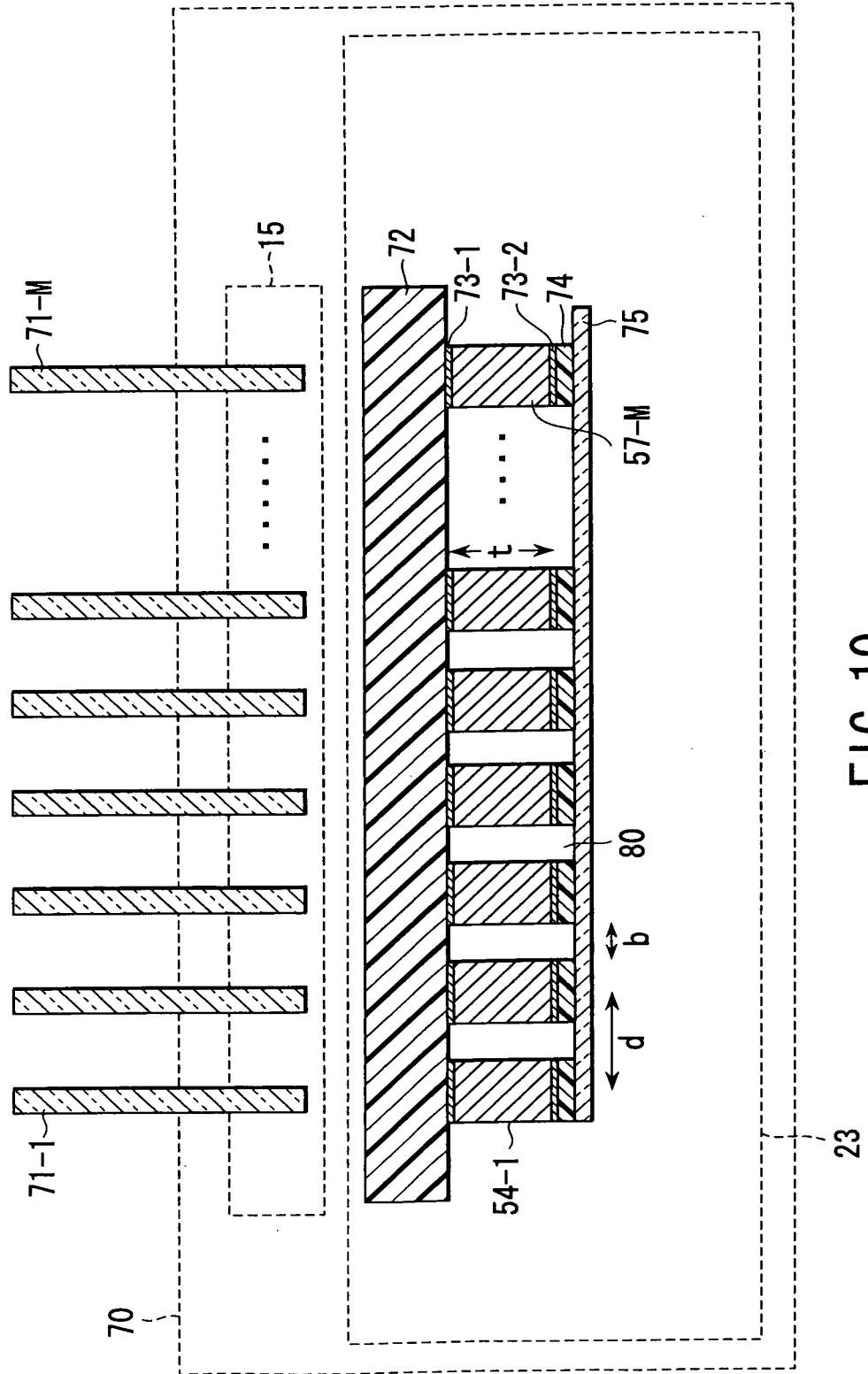


FIG. 10

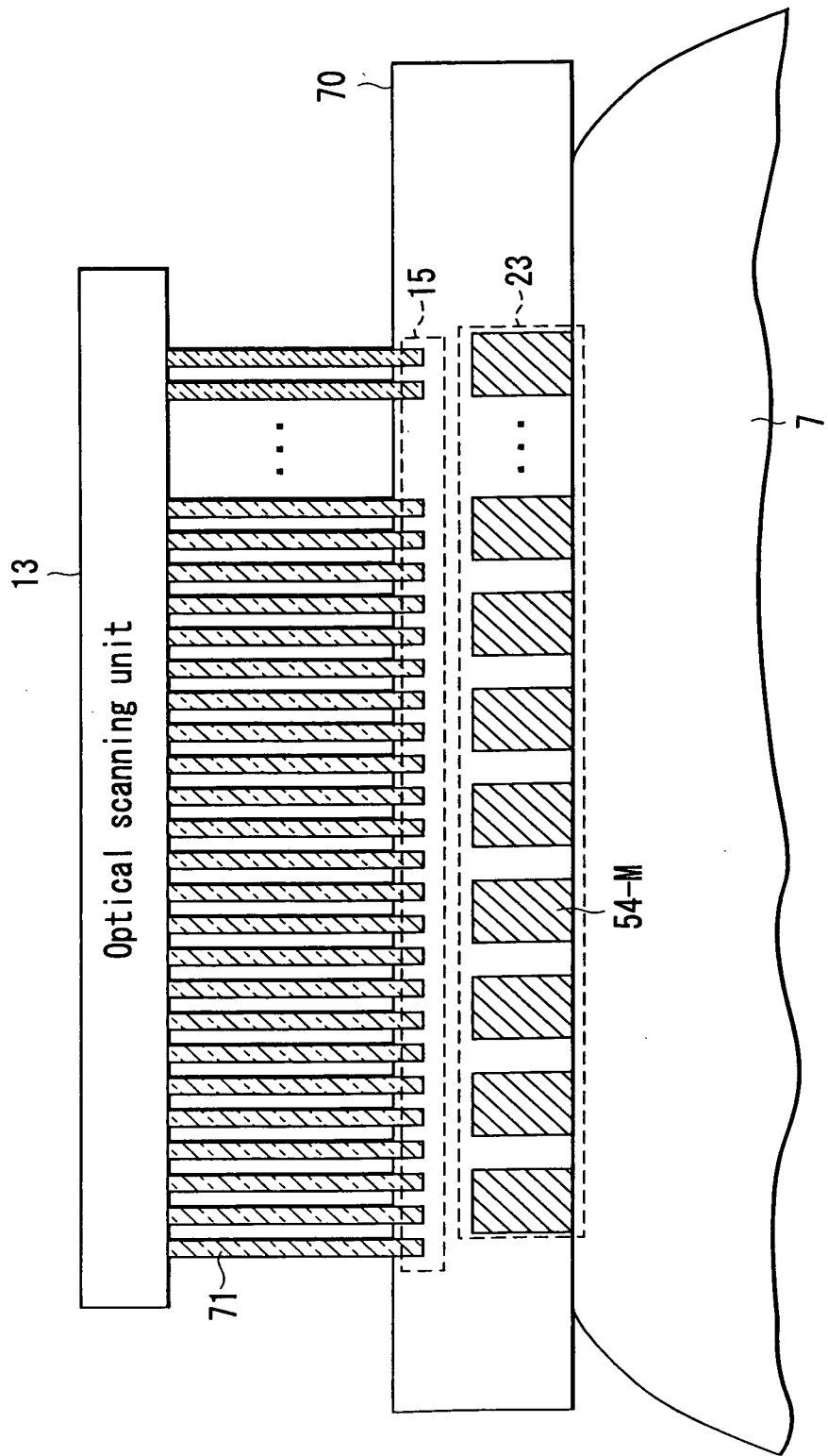


FIG. 11

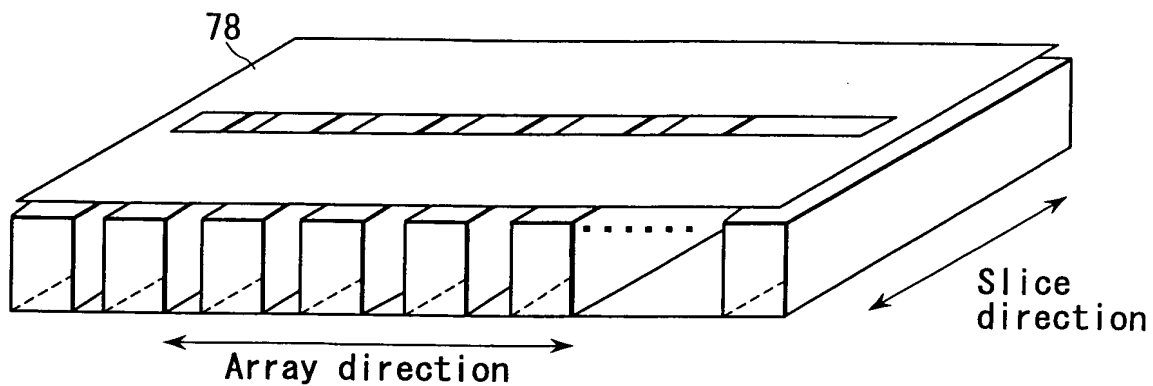


FIG. 12A

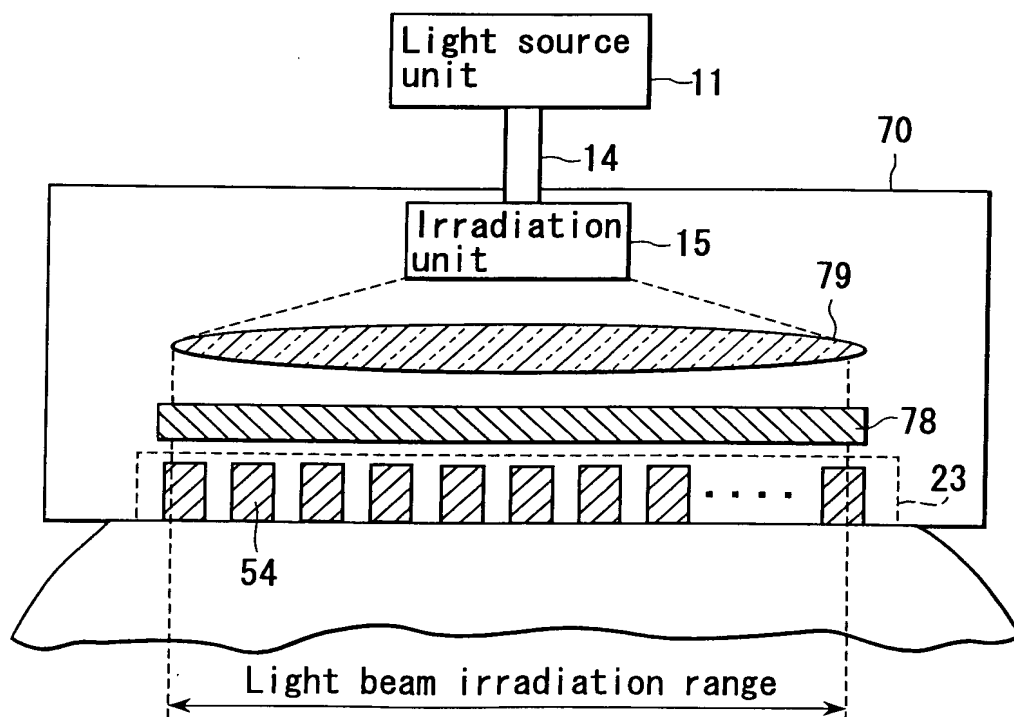


FIG. 12B

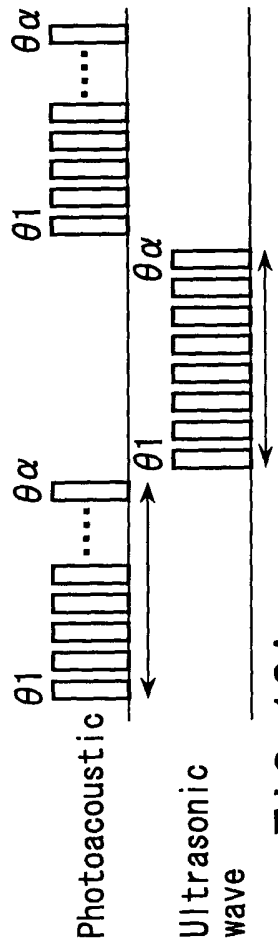


FIG. 13A

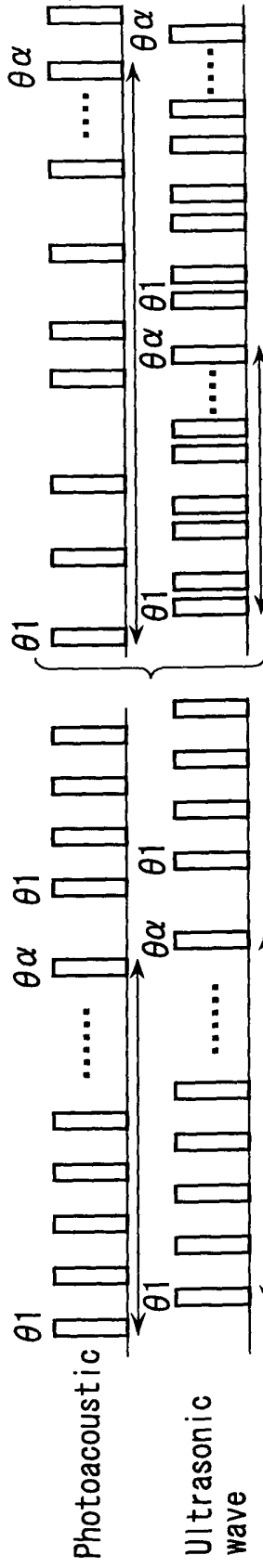


FIG. 13B

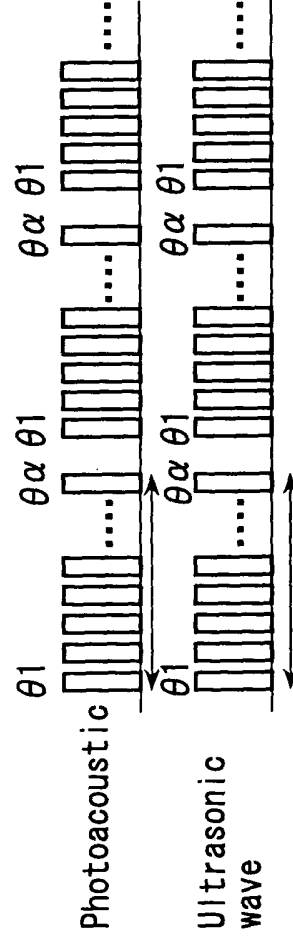
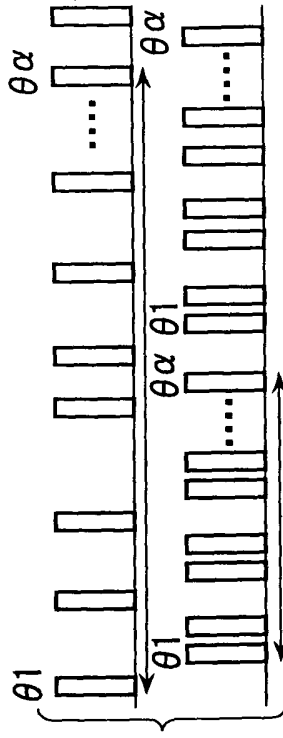


FIG. 13C

FIG. 13D



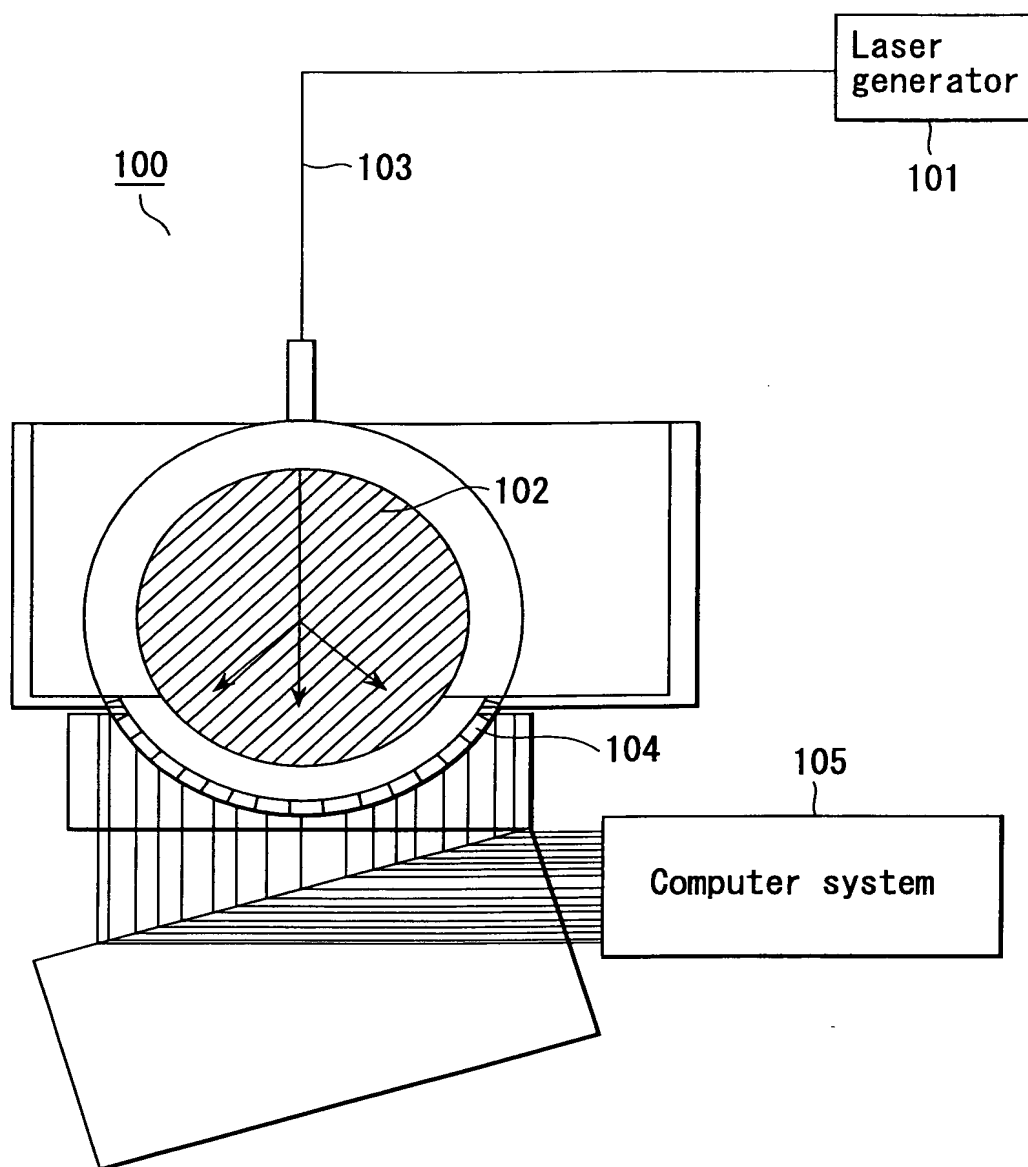


FIG. 14

PZNT single-crystal wafer

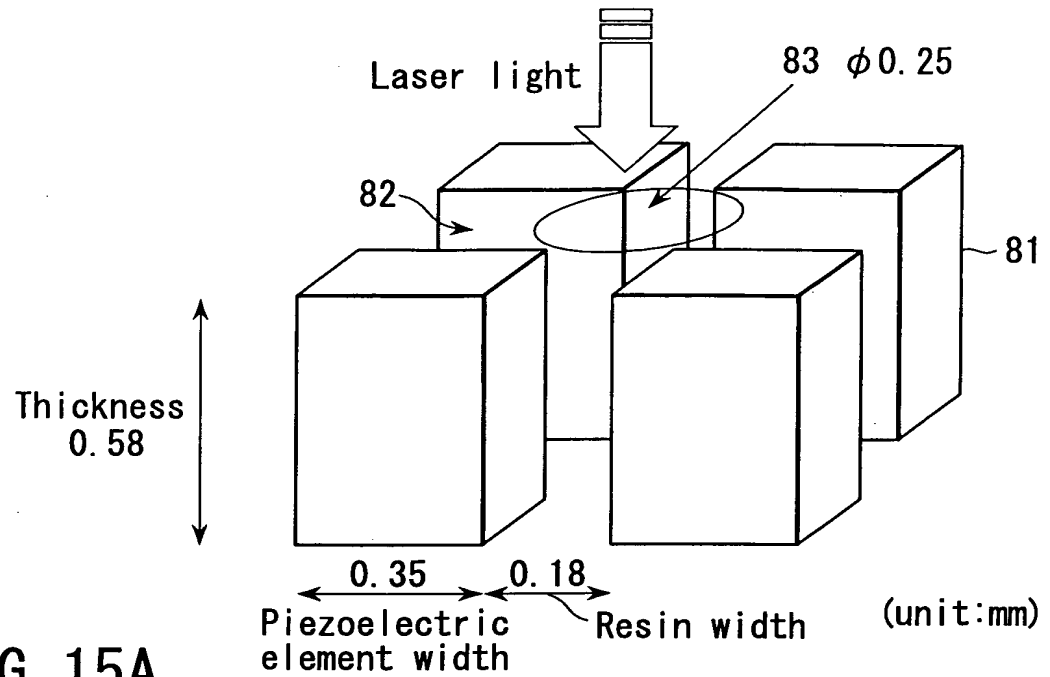


FIG. 15A

PZT ceramic material

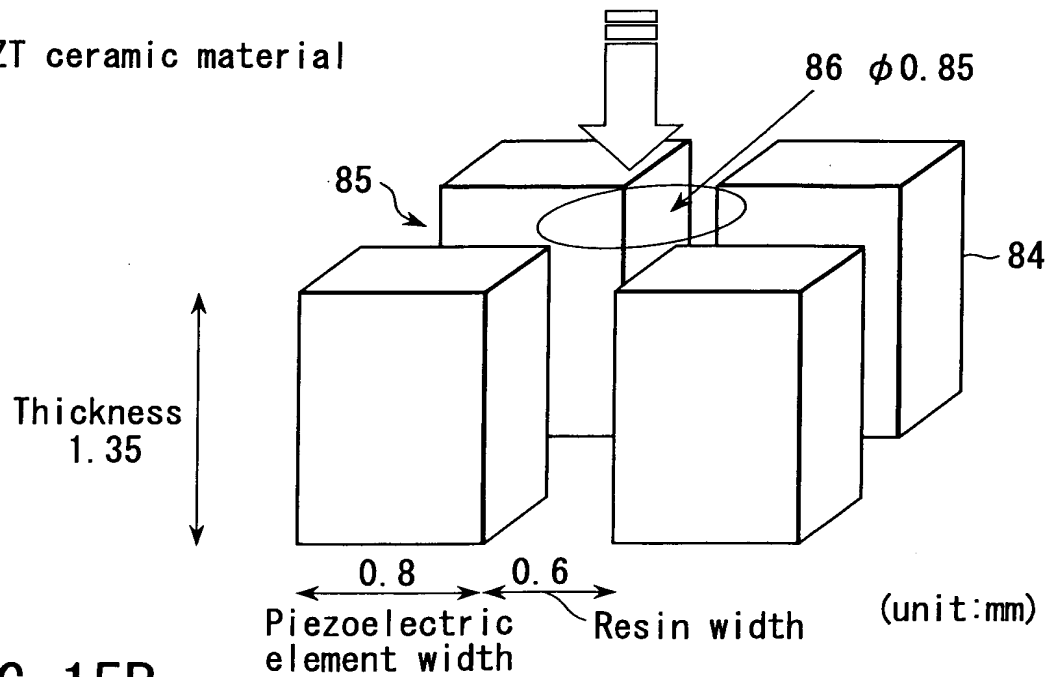


FIG. 15B

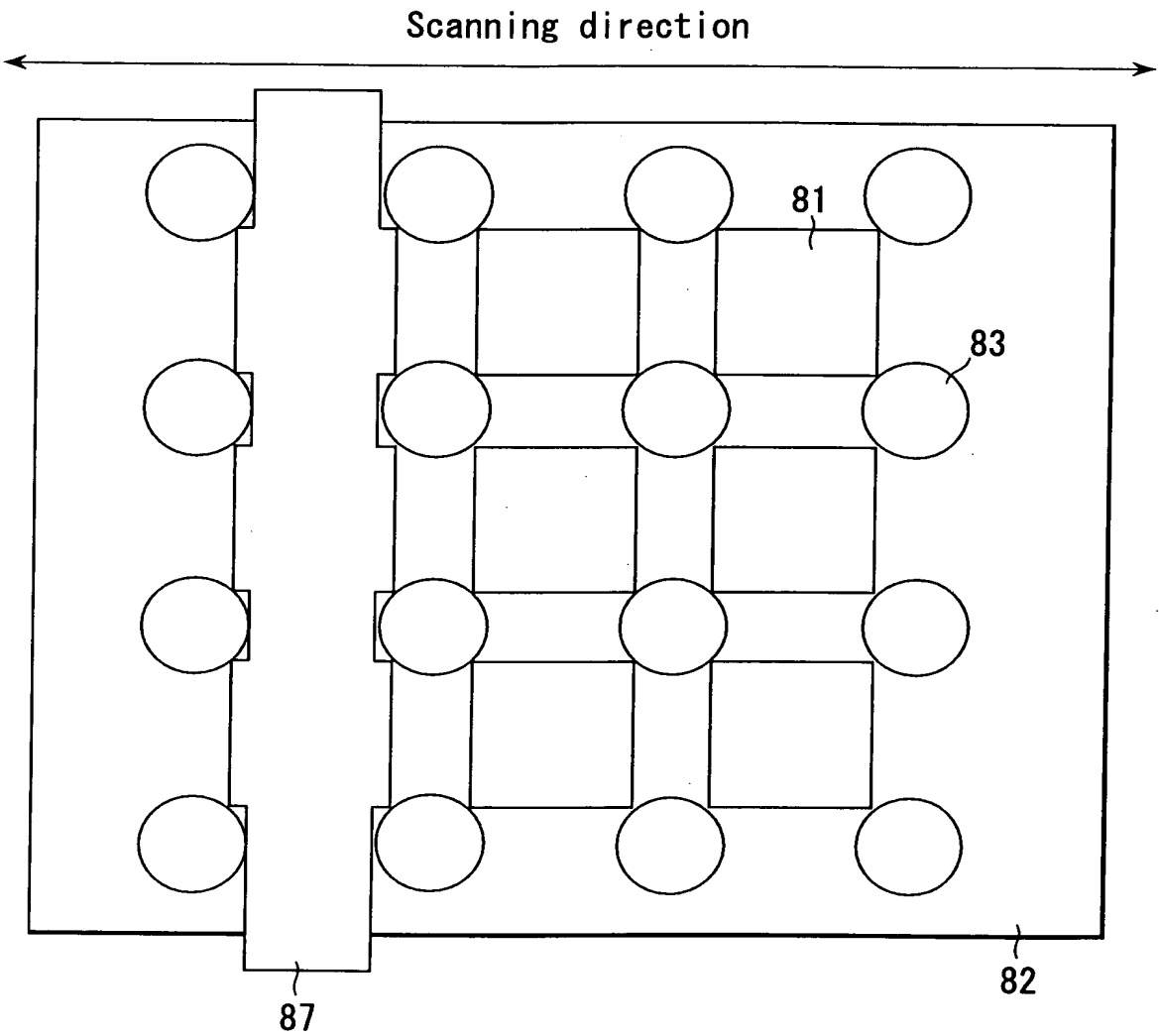


FIG. 16

[Single-mode fiber
Tape thickness: 0.3mm
Tape width: 6.3mm]

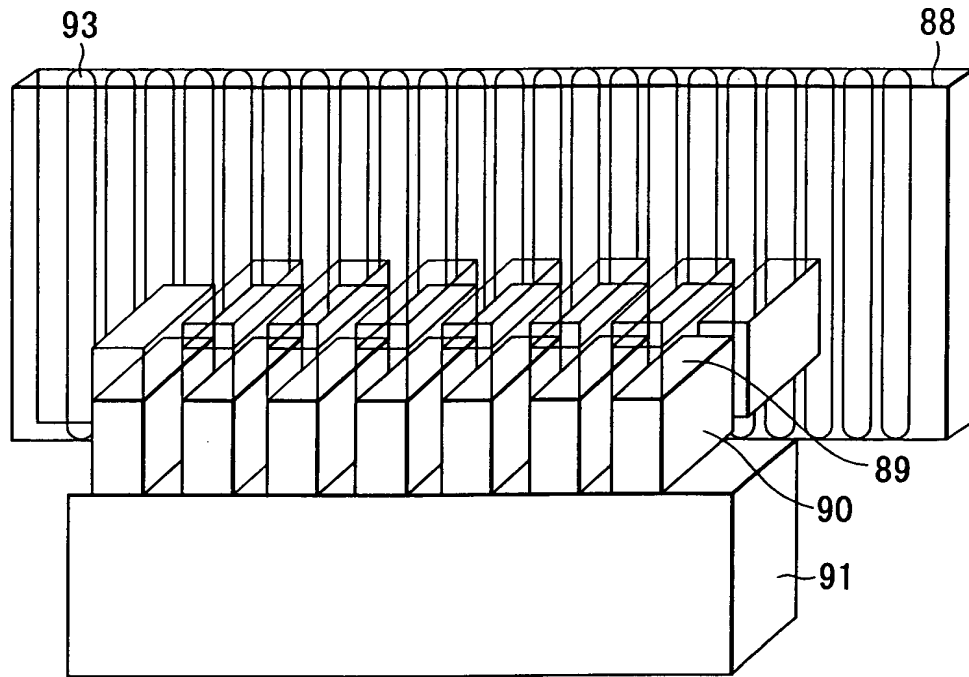


FIG. 17A

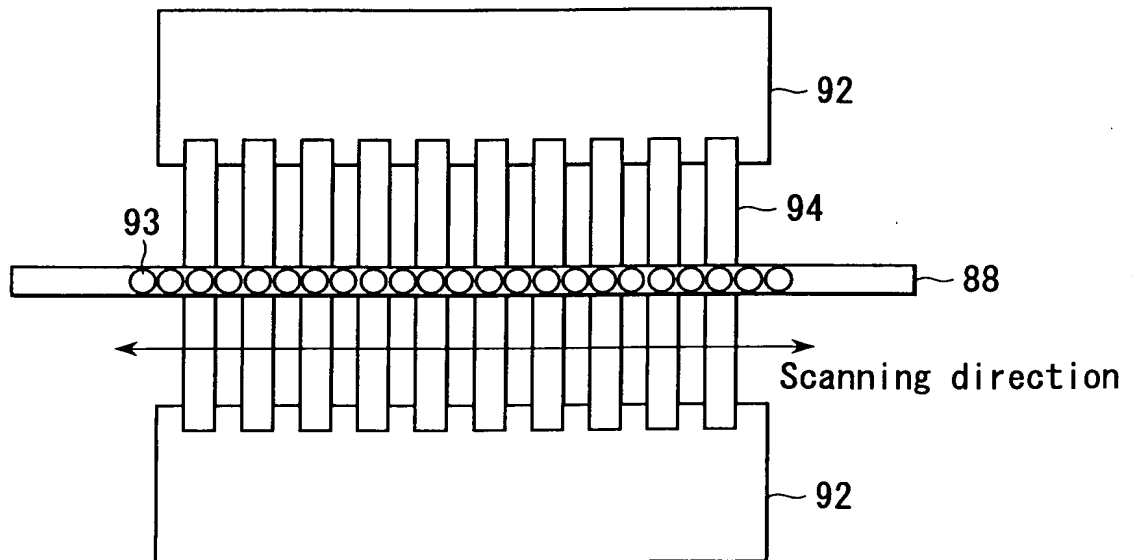


FIG. 17B

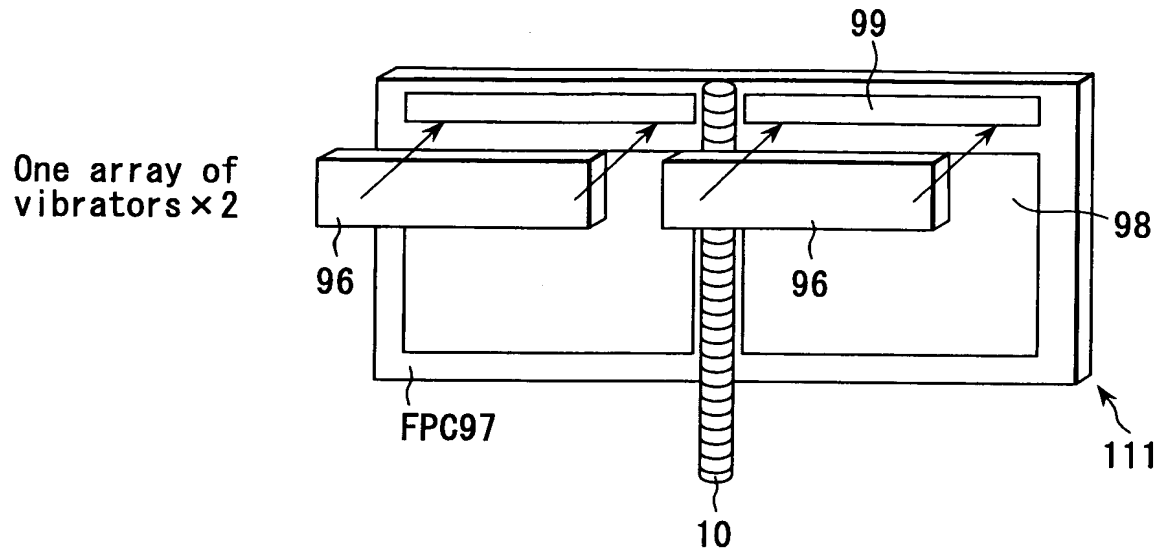


FIG. 18A

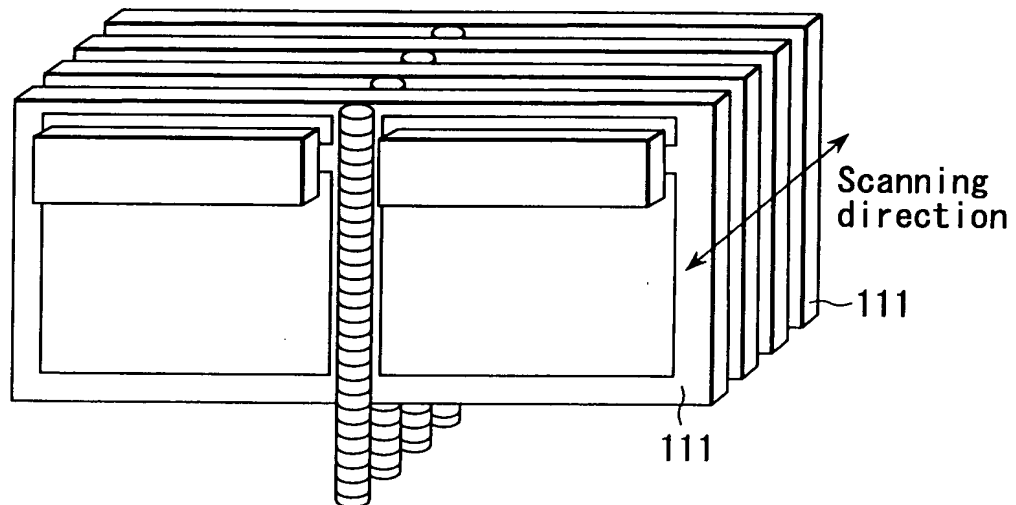


FIG. 18B